

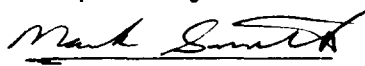
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ENVIRONMENTAL PRIORITIES INITIATIVE
PRELIMINARY ASSESSMENT/RCRA FACILITY ASSESSMENT OF
FERRO CORPORATION - TOCCOA PLANT
STEPHENS COUNTY, GEORGIA
EPA ID # GAD084361302

GEORGIA ENVIRONMENTAL PROTECTION DIVISION

December 20, 1989

Prepared by:


Mark Smith
Environmental Engineer

Reviewed By:

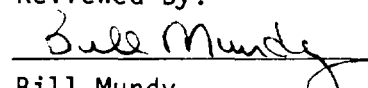

Bill Mundy
Unit Coordinator

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1.0 INTRODUCTION

Mark Smith of the Georgia Environmental Protection Division (EPD) conducted a Preliminary Assessment (PA) and a Visual Site Inspection (VSI) at Ferro Corporation's Toccoa Plant site on December 1, 1989. This evaluation was conducted to assess the potential for adverse environmental impacts which might occur from past or present handling of hazardous wastes or hazardous constituents at the site.

1.1 Objective

Section 12-3-71 of the Georgia Hazardous Waste Management Act authorizes the Director of EPD to require corrective action for releases of hazardous waste or hazardous constituents which are believed to pose a danger to health or the environment. If necessary, the Director may issue an order to any past or present owner or operator of a hazardous waste treatment, storage, or disposal (TSD) facility specifying the corrective action to be taken. Assessments of the need for corrective action are routinely taken at TSD facilities prior to the issuance of a hazardous waste permit. Numerous facilities, however, withdrew their permit applications prior to the issuance of permits and did not receive such assessments. Because of Ferro Corporation's status as a former TSD facility, this assessment was conducted to evaluate the need for corrective action which may otherwise have been required had the facility not withdrawn its hazardous waste permit application.

1.2 SCOPE OF WORK

The following activities were conducted in the course of this investigation:

- an in depth review of EPD files on Ferro Corporation concerning activities in hazardous waste, solid waste, air quality, water quality, and CERCLA Title III reporting;
- interviews with facility employees as to the nature and extent of past and present activities involving solid and hazardous wastes and hazardous constituents;
- inspection and photo-documentation of the facility to visually assess all Solid Waste Management Units (SWMUs), releases, exposure pathways, and other Areas of Concern (AOC);
- development of a detailed site base map displaying site features, solid waste management units, areas of concern, and photo-documentation areas,
- evaluation of target populations within a 4-mile radius from the site with regard to potential releases identified.

2.0 SITE DESCRIPTION

2.1 SITE LOCATION

The Ferro Corporation Toccoa Plant is located in the Meadowbrook Industrial Park southeast of Toccoa and northeast of State Highway 145. Coordinates for the plant are 34°32'30" N Latitude and 83°17'10"W longitude on the United States Geological Survey Toccoa, Georgia quadrangle topographic map (Figure 2.1).

The mailing address for the facility is:

Ferro Corporation
PO Box 1070
Toccoa, Georgia 30577

The telephone number at the facility is (404) 779-3341.

2.2 SITE FEATURES

Ferro Corporation is located on a 37 acre tract south of Eastanollee Creek. Approximately ten acres of the tract were cleared for the plant site. The remainder of the tract is mixed pine and hardwood forest. The terrain is moderately sloped. Drainage from the plant site is west to an ephemeral stream which flows north to the Eastanollee. Drainage from the grassed area in front of the plant flows north to the Eastanollee. All roads, parking areas, and loading/unloading areas are paved with either asphalt or concrete.

At the time of the site inspection, construction was underway on an 80 x 360 foot addition to the south side of the manufacturing building. Terrain alterations made to accommodate the expansion involved a cut on the south-southeast side of the plant with on-site placement of all resulting fill on the west side of the plant and in a swale through the site of construction. Photograph No 0.0 depicts a panorama of the plant site.

2.3 SITE HISTORY

The Toccoa plant is owned and operated by:

Ferro Corporation - Color Division
4150 East 56th Street
PO Box 6550
Cleveland, Ohio 44101

According to the Part A Application on file (Reference 1), construction of the Toccoa Plant commenced April 19, 1977.

2.4 NATURE OF OPERATION.

Ferro Corporation is a manufacturer of inorganic pigments by clacination. Processing involves the weighing, grinding and mixing of metal oxide pigments. The mixtures are calcined at high temperatures. The pigments



FIGURE 2-1. Site location map - Ferro Corporation.

are then crushed, ground, mixed and packaged for off-site shipment. Wastes are generated in the form of dust at several points in the process line. Dust collectors and a central "Hi Vac" system accumulate the waste. Dust wastes, floor sweepings, and empty raw material packaging are placed in a roll off for disposal at the Stephens County Landfill. Atmospheric emissions occur at several points in the process through roof stacks. A schematic of production processes and waste generation points appear as Figure 2.2.

Actual product manufacture at Ferro is a totally dry process; however, water is used for cleaning process equipment and non-contact cooling of air compressors. Wastewater from the clean out of hoppers and process equipment flows into floor drains along the north side of the building. These lead to two concrete basins outside the building where solids settle before the supernatant is discharged to the City of Toccoa sanitary sewers. Non-contact cooling water not reused within the plant is discharged to the west of the plant under an NPDES permit.

2.5 PERMIT AND REGULATORY HISTORY

Ferro Corporation is currently classified as a small quantity generator of hazardous wastes subject to regulation under the Georgia Hazardous Waste Management Act, O.C.G.A. Sections 12-8-6, et. seq., and the Rules and Regulations promulgated thereunder, Chapter 391-3-11. The classification is based on the facility's notification reflecting a desire to retain an active ID number. According to Georgia EPD and facility records, no hazardous waste has ever been generated by the facility.

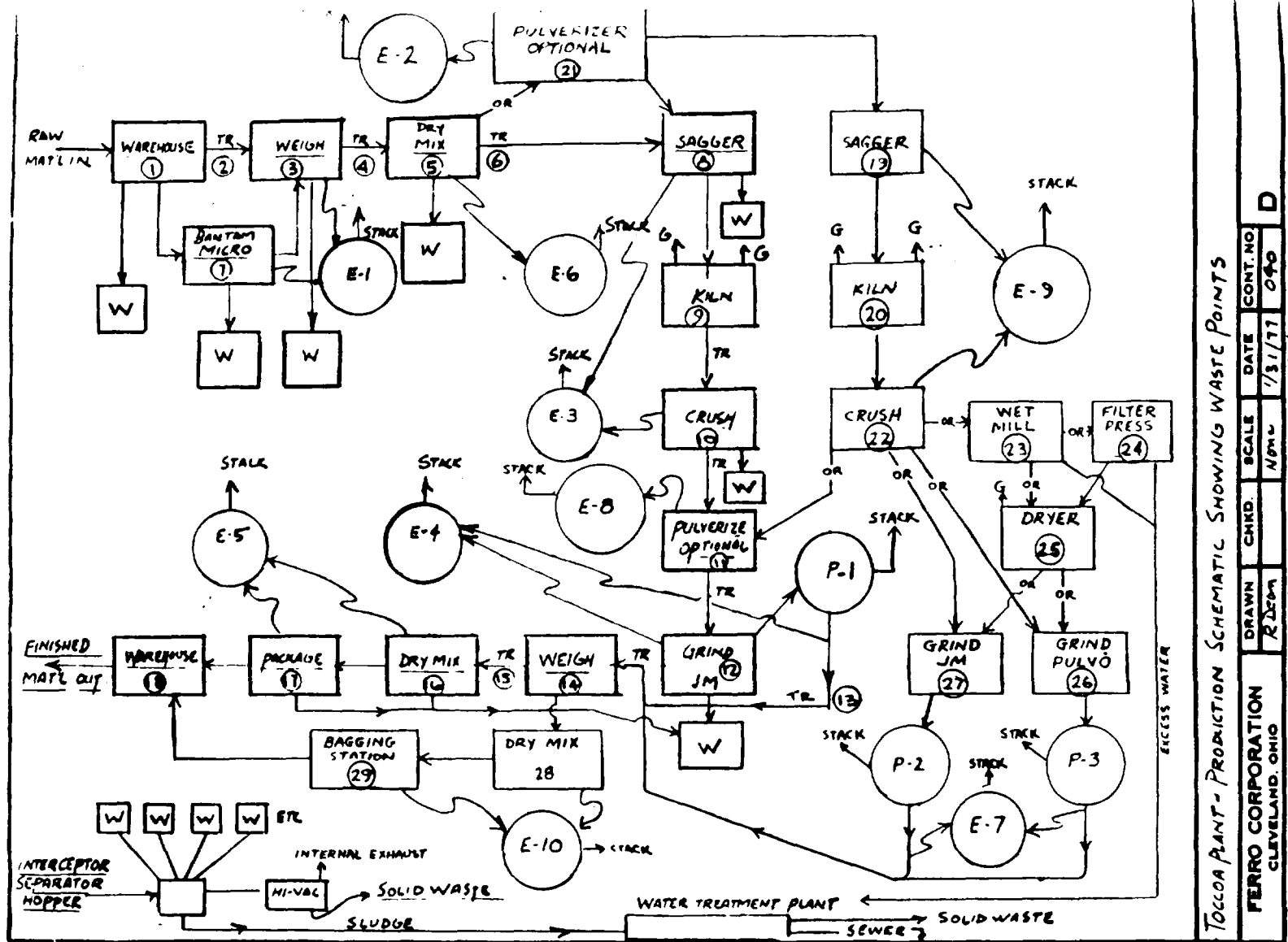
In August 1980, Ferro Corporation filed a Part A Permit Application for the Toccoa Plant based on their expectation of producing a cadmium based pigment which might generate wastes exceeding the EP Toxicity criteria. Part A entries for process description and estimated annual quantity consisted of "anticipated" and "unknown". The facility subsequently abandoned plans to expand into that product line and requested withdrawal of their interim status as a TSD Facility (References 2 and 3).

Ferro Corporation has been issued NPDES Permit No. GA 0047287 for discharge of 18,000 gpd of non-contact cooling water and a maximum of 13,000 gpd of storm water. Permit to Operate No. 2816-127-6082-0 regulates Ferro's atmospheric discharges from processing equipment.

3.0 ENVIRONMENTAL SETTING

3.1 WATER SUPPLY

Potable water within the study area is supplied both by the City of Toccoa water system and by groundwater withdrawal wells. The City of Toccoa system utilizes surface water stored in Lake Toccoa approximately seven miles northwest of the Ferro site. This reservoir is periodically supplemented with raw water pumped from Davidson Creek and Lake Yonah. The Meadowbrook Industrial Park is served by the City of Toccoa and the system is currently being expanded county-wide.



KEY:

- TR - Transfer
- E - Emmission Point to Outside Cartridge Collector
- G - Gaseous Emission
- W - Waste Source due to Cleaning Centrally Collected thru Hi-Vac System
- P - Process Collector Torit 5 Cartridge Design

FIGURE 2-2. Process schematic - Ferro Corporation.

Three community water systems exist within three miles of the Ferro site. These are identified in EPD records as the School Superintendent's Office, 2.5 miles west of the site, serving 75 persons; the Stephens County Middle School, located 2.3 miles east-southeast of the site, serving 700 people; and the Mill Bridge Mobile Home Park, 2.3 miles east of the site serving 30 people. All three of these systems utilize deep wells drilled into the bedrock aquifer. Individual residences in the area not connected to the City of Toccoa system are served by either bored wells in the shallow aquifer or drilled, bedrock wells depending on the availability of water. The closest residence with a shallow well is located approximately 1500 feet west of the site. A drainage divide separates the residence from the facility and the residence is an estimated 40 feet higher in elevation, making groundwater flow from the facility to the residence highly unlikely.

3.2 SURFACE WATER.

The plant property is bounded on two sides by surface water. Eastanollee Creek flows in an easterly direction along the northern boundary of the plant, approximately 1000 feet from the plant building. An unnamed, ephemeral tributary to the Eastanollee flows in a northerly direction along the western boundary of the property. The Eastanollee flows into Hartwell Lake approximately 7.5 miles east of the facility.

3.3 HYDROGEOLOGY

The geologic and hydrogeologic conditions in the study area were researched as part of the site investigation. A preliminary literature review was conducted to determine surface and subsurface geologic conditions, soil character and the status of groundwater transport and storage.

3.3.1 Geology.

Regionally, the facility is located within the Southern Piedmont Province (Reference 4). On a smaller scale, the facility site is mapped as having granite and granite gneiss bedrock. This is based on an outcropping of bedrock located .3 miles south of the facility along Georgia Highway 145 (Reference 5). Typically, rocks in the Southern Piedmont Province contain numerous fractures and joints which resulted from numerous deformational events (Reference 4). Overlying the bedrock are soils and saprolite formed by in situ weathering of the bedrock. Depth to competent bedrock generally exceeds six feet (Reference 6).

3.3.2 Soils

The soils in the area of Ferro Corporation consist of the Cecil sandy loam (6 to 10 percent slopes, eroded). The soil has a 4 to 6 inch thick surface layer of brown sandy loam. A sandy clay loam underlies the surface layer. Below this layer lies a clay which extends to a depth of 40 inches or more. This Cecil series soils developed in material weathered from granite, gneiss, and schist. The soil is typically found on the side slopes of

uplands. Organic content is low, and permeability is moderate with 2.0 to 6.3 and 0.63 to 2.0 inches/hour for the 0 to 5 and 5 to 62 inch depth, respectively (Reference 6).

3.3.3 Groundwater

In general, there are two basic water bearing units from which groundwater may be obtained in this area: the saturated saprolite and bedrock. Groundwater occupies joints, fractures, and other secondary openings in the crystalline rock, and pore spaces in the overlying saprolite. Recharge is by precipitation seeping through this material or by flowing directly into openings in exposed bedrock. The amount of stored water depends upon the size and distribution of the joints and fractures, as well as the thickness and porosity of the underlying saprolite. Groundwater is typically found under water table conditions (Reference 7).

3.4 Climate and Meteorology

The climate in the Ferro Corporation Toccoa Plant area is temperate. The average daily maximum temperature is 72.7°F and the average daily minimum is 50.3°F. Annual rainfall averages 58.52 inches with an average maximum of 6.86 inches occurring in March. The lowest monthly average rainfall is 3.30 inches for October (Reference 6). Mean annual lake evaporation for the area is 39 inches (Reference 8). The 1-year 24-hour rainfall is estimated at 3.5 inches (Reference 9).

3.5 Land Use

Land use within a four mile radius of Ferro Corporation is primarily agricultural with increasing light industrial, commercial, and residential usage. The business district of the City of Toccoa lies between the three and four mile radii northwest of the site. Land immediately surrounding the site is designated for industrial use.

3.6 Population Distribution

Population in the study area was estimated by counting the number of dwellings displayed on a topographic map and multiplying by 3.8.

RADIUS	RESIDENCES	POPULATION
0 to 1 mile	81	308
1 to 2 miles	229	870
2 to 3 miles	876	3329
<u>TOTAL</u>	<u>1186</u>	<u>4507</u>

3.7 Critical Habitats/Endangered Species

No critical habitats exist in the vicinity of Ferro Corporation. The ranges of two endangered species encompass the plant site and surrounding vicinity, the red-cockaded woodpecker - *Picoides borealis* (Veillof) and the southern bald eagle - *Haliaeetus leucocephalus* (Linnaeus) (Reference 10).

4.0 VISUAL SITE INSPECTION (VSI)

A Visual Site Inspection (VSI) of the Ferro Corporation Toccoa Plant site was performed on December 1, 1989 by Mark Smith of the Georgia Environmental Protection Division. The purpose of the inspection was to locate and visually assess all Solid Waste Management Units (SWMUs) and Areas of Concern (AOC) identified in previous file reviews and to discover any additional units which may have resulted from past or present solid waste handling activities. Mr. John (Ed) Hooker of Ferro Corporation assisted during the inspection. Mr. Hooker is serving as the Plant Manager while overseeing the facility's expansion project.

4.1 SOLID WASTE MANAGEMENT UNITS

Nine SWMUs were identified at the Ferro facility during the visual site inspection. Each SWMU is identified in Table 4.1 and its location depicted in Figure 4.1. Photographs taken of each SWMU appear at the end of this section.

TABLE 4-1
SOLID WASTE MANAGEMENT UNITS

FERRO CORPORATION TOCCOA PLANT
STEPHENS COUNTY, GEORGIA

<u>SWMU NO.</u>	<u>NAME</u>	<u>RCRA REGULATED</u>	<u>STATUS</u>
1	Dust collectors	No	Active
2	Hi-Vac System	No	Active
3	Floor Drains	No	Active
4	Roof Stacks	No	Active
5	Roof Drain	No	Active
6	Cooling Water Discharge	No	Active
7	Maintenance Cleaning Area	No	Inactive
8	Settling Basins	No	Active
9	Roll off	No	Active

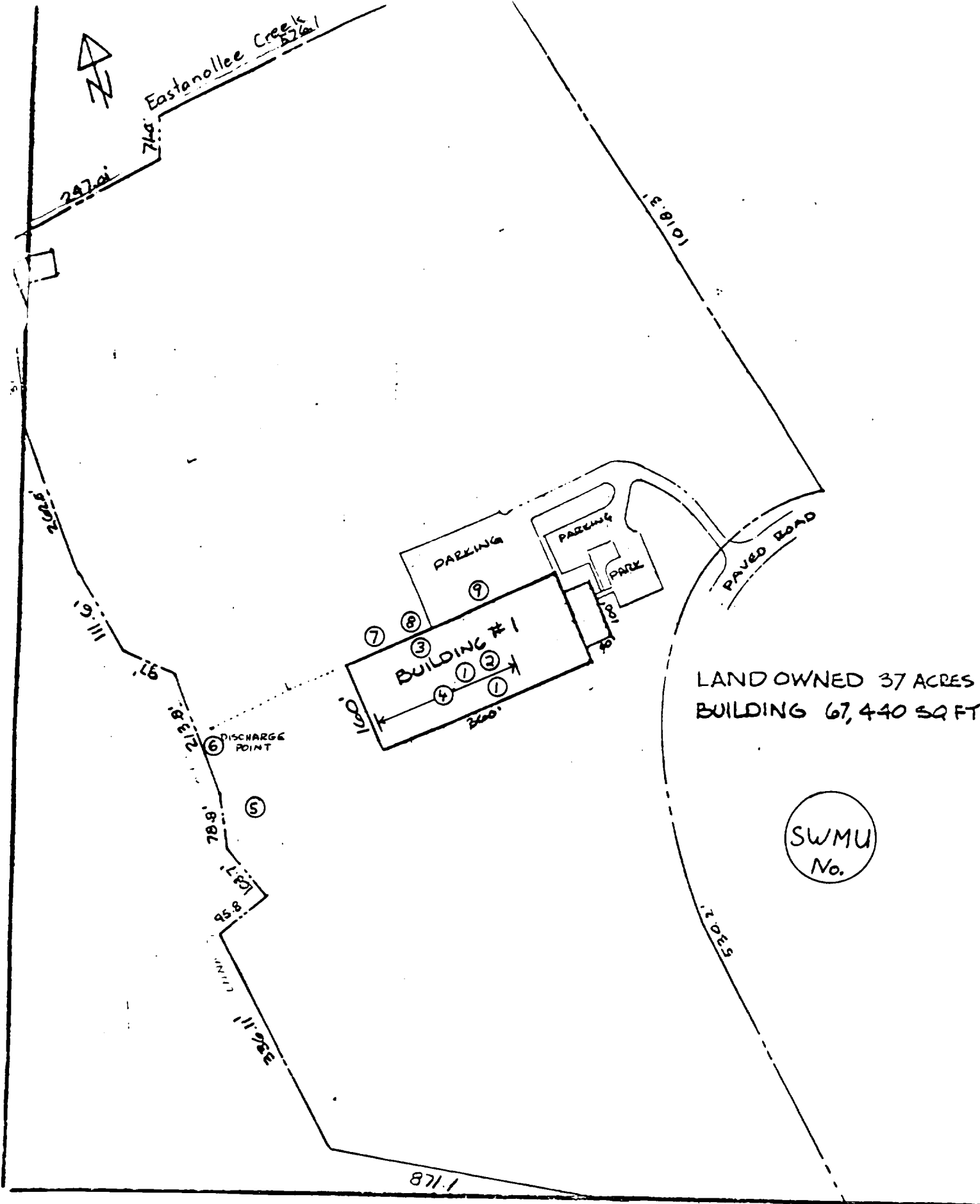


FIGURE 4-1. Solid Waste Management Unit Location Map - Ferro Corporation.

SWMU Number: 1

SWMU Name: Dust collectors

SWMU Description: Emissions at various points in the process line are passed through dust collectors (All Torit Model TD 573) for the separation of particulate matter prior to atmospheric venting. Ten collectors are shown in the facility's Air Quality Permit application dated December 15, 1978 (Figure 2.2). Solids are accumulated in fiber drums for later disposal as solid waste.

DATE OF START UP: Dust collectors on the original process line began operation in 1977.

DATE OF CLOSURE: Currently operating.

WASTES MANAGED: Inorganic pigment dust similar in composition to raw materials and products of the facility. These materials are further described in the facility's CERCLA Section 312 Chemical Inventory Form (Attachment A).

RELEASE CONTROLS: All dust collectors are fully contained within the plant building.

RELEASE HISTORY: There is no record or evidence of any release to the environment occurring from these units. ✓

PHOTOGRAPH NO: 1.1, 1.2

SWMU Number: 2

SWMU Name: Hi-Vac System

SWMU Description: A central cleaning system utilized for collection of dust and debris from process equipment. Waste sources are identified by "W" in Figure 2.2.

DATE OF START UP: Operation of this system began in 1979.

DATE OF CLOSURE: Currently operating.

WASTES MANAGED: Same as those described for SWMU No.1

RELEASE CONTROLS: The unit is fully contained within the plant building.

RELEASE HISTORY: There is no record or evidence of any release to the environment occurring from this unit. /

PHOTOGRAPH NO: 2.1

SWMU Number: 3

SWMU Name: Floor Drains

SWMU Description: In-floor concrete drains in the vicinity of the ball mill along the north wall of the plant. Hoppers and other portable process equipment are brought to this area for cleaning with water. Wastewater from the floor drains flows to the settling basins (SWMU NO. 8) outside the building.

DATE OF START UP: Operation began in 1977.

DATE OF CLOSURE: Currently operating.

WASTES MANAGED: Wastes passing through the floor drains consist of water and solids similar to those described for SWMU No. 1.

RELEASE CONTROLS: Floor drains are contained within the plant building. Concrete construction prevents release beneath the building.

RELEASE HISTORY: There is no record or evidence of any release to the environment occurring from this unit. ✓

PHOTOGRAPH NO: 3.1

SWMU Number: 4

SWMU Name: Roof Stacks

SWMU Description: Gaseous emissions from process equipment and dust/product collectors are vented through the plant roof via stacks.

DATE OF START UP: Operation began with the opening of the plant in 1977.

DATE OF CLOSURE: This system is still in operation.

WASTES MANAGED: Releases of hazardous substances to the atmosphere were reported by the facility in Form R of their SARA Title III submission dated 6/21/89. The following annual quantities were reported for 1988:

Zinc compounds	45 lbs/yr
Antimony compounds	50 lbs/yr
Cobalt compounds	30 lbs/yr
Chromium compounds	85 lbs/yr

RELEASE CONTROLS: The system is designed to release gaseous emissions to the atmosphere. Dust collectors remove the majority of particulate matter. Emissions are regulated under an Air Quality permit.

RELEASE HISTORY: Releases are estimated. No actual measurements of emissions have been made.

PHOTOGRAPH NO: 4.1

SWMU Number: 5

SWMU Name: Roof drains

SWMU Description: Rainwater falling on the roof of the manufacturing plant is collected and discharged through a corrugated metal pipe to the unnamed tributary of Eastanollee Creek west of the plant.

DATE OF START UP: The roof drain system became operative upon completion of construction in 1977.

DATE OF CLOSURE: Currently operating.

WASTES MANAGED: Particulate matter escaping dust and product collectors through roof stacks may settle back on the plant roof and accumulate during periods of dry weather. Rain falling on the roof following these dry periods will flush the particulates through the system. The particulate matter is described in the wastes for SWMU No. 4

RELEASE CONTROLS: The system is designed to release waste through the discharge pipe.

RELEASE HISTORY: No data exists concerning the quantity or quality of discharges from the system. No adverse effects are known to have occurred. ✓

PHOTOGRAPH NO: 5.1

SWMU Number: 6

SWMU Name: Cooling Water Discharge

SWMU Description: Three air compressors within the plant are cooled with water from the City of Toccoa supply system. Overflow from the system is discharged west of the plant to a tributary of Eastanollee Creek at approximately 18 gpm.

DATE OF START UP: The system has been operating since plant start up in 1977.

DATE OF CLOSURE: This system is currently operating.

WASTES MANAGED: Non-contact cooling water only. No contaminants should be present in the discharge.

RELEASE CONTROLS: The system is designed to release contaminant-free water. The discharge is authorized by NPDES Permit No. GA 0047287.

RELEASE HISTORY: Their is no record or evidence of hazardous substances ever being released through this system. ✓

PHOTOGRAPH NO: 6.1, 6.2

SWMU Number: 7

SWMU Name: Maintenance Cleaning Area

SWMU Description: The area outside the plant maintenance shop in the northwest corner of the building has been periodically utilized for the cleaning of some process equipment as evidenced by color stains on concrete and soil.

DATE OF START UP: This area received only occasional use since the plant opened in 1977.

DATE OF CLOSURE: All outdoor cleaning of equipment was stopped by the current Plant Manager in 1989.

WASTES MANAGED: Wastes are a subset of the raw materials and waste described for SWMU No. 1. Quantity of waste is small as the stained areas are very limited.

RELEASE CONTROLS: None

RELEASE HISTORY: Releases occurred only periodically during maintenance operations. Most cleaning has been performed using floor drains (SWMU No. 3).

PHOTOGRAPH NO: 7.1

SWMU Number: 8

SWMU Name: Settling Basins

SWMU Description: Two in-ground concrete settling basins outside the north wall of the plant building receive wastewater from the cleaning of process equipment. Solids from the wastewater settle out in the tanks before the supernatant overflows to the sanitary system. The two tanks are baffled and operate in series. Each tank has a 1500 gallon capacity. Flow through the system averages 1500 gallons per day yielding a hydraulic residence time of 48 hours. Sludge accumulates slowly with clean-out performed approximately every three years.

DATE OF START UP: The system began operation with the opening of the plant in 1977.

DATE OF CLOSURE: The system was in operation at the time of the VSI.

WASTES MANAGED: The settling basin receives the wastewater and solids discharged through the floor drains - SWMU No. 3.

RELEASE CONTROLS: The basins consist of concrete tanks coated with a waterproof sealer. Wastewater overflows by gravity to the sanitary sewer with approximately two feet of freeboard being maintained in the tanks. The tanks were inspected in late 1989 by plant personnel to verify integrity. No problems were discovered.

RELEASE HISTORY: There are no records or evidence of releases to the environment ever occurring from these units.

PHOTOGRAPH NO: 8.1

SWMU Number: 9

SWMU Name: Roll-off (Solid Waste Collection System).

SWMU Description: Solid wastes from the facility are accumulated in a steel roll-off located in a special bay adjacent to the loading area on the north side of the plant building. The roll-off is emptied once or twice per week.

DATE OF START UP: The solid waste collection system began operation when the plant opened in 1977.

DATE OF CLOSURE: The system was in operation at the time of the VSI.

WASTES MANAGED: All solid wastes from the plant are placed in the roll-off for disposal at the Stephens County sanitary landfill. Wastes include empty raw material bags, floor sweepings, office trash, and solid waste generated from previously described SWMUs.

RELEASE CONTROLS: Other than the containment provided by the roll-off itself, no release controls exist for the unit.

RELEASE HISTORY: No records exist detailing specific releases from this unit. A small area of the concrete surrounding the roll-off is stained, probably due to spillage during disposal and from the drainage of water falling into the roll-off during rain events.

PHOTOGRAPH NO: 9.1

REFERENCES

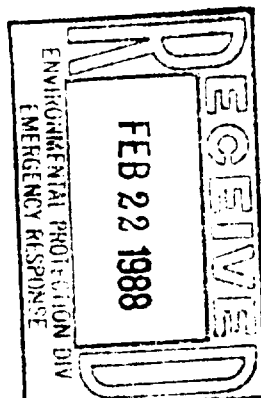
1. Ferro Corporation, 8/26/80, Part A Application.
2. Georgia EPD, 6/15/82, Memo from Bill Mundy.
3. Georgia EPD, 4/16/84, Telephone Memo, Jeff Williams.
4. McConnell, K. I. and Abrams, C. E., 1984. Geology of the Greater Atlanta Region, Bulletin No. 96 of the Department of Natural Resources Environmental Protection Division, Georgia Geologic Survey.
5. Sandrock, G.S. and Penley, H.M. Geologic Map of Stephens County - Geologic Compilation and Field Reconnaissance Compilation for 1976 Georgia Geologic Map. Technical File of the Georgia Geologic Survey.
6. Soil Survey of Banks and Stephens County Georgia. U.S. Department of Agriculture, Soil Conservation Service. Issued December 1971.
7. Kundell, J.E., 1978. Ground Water Resources of Georgia. Institute of Government, University of Georgia.
8. 40 CFR Part 300, Appendix A, Figure 4.
9. 40 CFR Part 300, Appendix A, Figure 8.
10. Georgia's Protected Wildlife, Georgia Department of Natural Resources, September, 1987.

UNSCANNABLE

MEDIA

(PHOTOGRAPHS)

GA. RTK 1

ATTACHMENT A.
FERRO CORP.
12/20/89

Section 312 Reporting Information
Georgia Emergency & Hazardous Chemical Inventory Form
Reporting Period: January 1 thru December 31, 19 88

GEORGIA ENVIRONMENTAL PROTECTION DIVISION
RIGHT-TO-KNOW PROGRAM

GA D084361302
Ferro Corp
Meadowbrook Industrial Park
PO Box 1079
Toccoa, Ga 30577

Facility Information

EPA-ID NO. 08-436-1302SIC CODE: 2816NAME: FERRO CORPORATIONSTREET ADDRESS: MEADOWBROOK INDUSTRIAL PARKCITY/STATE/ZIP CODE: Toccoa GA 30577OWNER/OPERATOR NAME: samePHONE NO.: (404) 779-3341

EPA HAZ. CATEGORIES

A - Acute Health

B - Chronic Health

C - Fire

D - Pressure Loss

E - Reactive

FACILITY EMERGENCY CONTACT NAME: BILL STANDARDPHONE NO.: (404) 886-1305MAIL ADDRESS: 114 ADDINGTON DR. TOCCOA GA 30577

ALTERNATE FACILITY

EMERGENCY CONTACT NAME: ROBERT HUELSMANPHONE NO.: (404) 886-9381MAIL ADDRESS: 144 REMSALE RD. TOCCOA GA 30577

CHEMICAL INFORMATION

CHEMICAL NO.	TRADE NAME	CHEMICAL/ NAME	CAS NUMBER	EPA HAZ. CAT.	TRADE SECRET
1		ANTIMONY TRIOXIDE	1309-64-4	A (B) C D E	Y (N)
2		BARIUM CARBONATE	513-77-9	A (B) C D E	Y (N)
3		CHROMIUM OXIDE	1308-38-9	A (B) C D E	Y (N)
4		COBALT OXIDE 71%	1306-06-1	A (B) C D E	Y (N)

CERTIFICATION (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

ROBERT HUELSMAN PAUL SUPERINTENDENT
Name and Official title of owner/operator OR authorized representative

Paul Huelsman
Signature

2-19-88
Date signed

GA. RTK 1.1

GEORGIA ENVIRONMENTAL PROTECTION DIVISION
 RIGHT-TO-KNOW PROGRAM
 Section 312 Reporting Information
 Georgia Emergency & Hazardous Chemical Inventory Form

Facility Information

EPA-ID NO. 08-436-1302SIC CODE: 2816NAME: FERRO CORPORATIONSTREET ADDRESS: MEADOWBROOK INDUSTRIAL PARKCITY/STATE/ZIP CODE: TOCLOA GA. 30577

CHEMICAL NO.	TRADE NAME	CHEMICAL/ NAME	CAS NUMBER	EPA HAZ. CAT.	TRADE SECRET
5		COBALT OXIDE 73% ¹⁰	1307-96-6	A (B) C D E	Y (N)
6		COBALT CARBONATE	513-79-1	A (B) C D E	Y (N)
7		SILICON DIOXIDE	7631-86-9	A (B) C D E	Y (N)
8		NICKEL CARBONATE	3333-67-3	A (B) C D E	Y (N)
9		NICKEL OXIDE	1313-99-1	A (B) C D E	Y (N)
10		SODIUM NITRATE	7631-99-4	A (B) C D E	Y (N)
11		TITANIUM DIOXIDE	13463-67-7	A (B) C D E	Y (N)
12		ZINC OXIDE	1314-13-2	A (B) C D E	Y (N)
13		C.I. PIGMENT BROWN #24	68186-90-3	A (B) C D E	Y (N)
14		C.I. PIGMENT BROWN #35	68187-09-7	A (B) C D E	Y (N)
15		C.I. PIGMENT BLUE #28	1345-16-0	A (B) C D E	Y (N)
16		C.I. PIGMENT YELLOW #119	68187-51-9	A (B) C D E	Y (N)
17		C.I. PIGMENT YELLOW #119	12063-19-3	A (B) C D E	Y (N)

CERTIFICATION (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

ROBERT HUELSMAN PLANT SUPERINTENDENT
 Name and official title of owner/operator or authorized representative

Robert Huelsman
 Signature

2-19-88
 Date Signed

3/3

GA. RTK 1.1

GEORGIA ENVIRONMENTAL PROTECTION DIVISION

RIGHT-TO-KNOW PROGRAM

Section 312 Reporting Information

Georgia Emergency & Hazardous Chemical Inventory Form

Facility Information

EPA-ID NO. 08-436-1302SIC CODE: 2816NAME: FERRO CORPORATIONSTREET ADDRESS: MEADOWBROOK INDUSTRIAL PARKCITY/STATE/ZIP CODE: TOLLOA, GA. 30577

CHEMICAL NO.	TRADE NAME	CHEMICAL/ NAME	CAS NUMBER	EPA HAZ. CAT.	TRADE SECRET
18		C.I. PIGMENT YELLOW #53	8007-18-9	A (B) C D E	Y (N)
19		C.I. PIGMENT YELLOW #162	68611-42-7	A (B) C D E	Y (N)
20		C.I. PIGMENT GREEN #50	68186-85-6	A (B) C D E	Y (N)
21		C.I. PIGMENT YELLOW #161	68611-43-8	A (B) C D E	Y (N)
22		C.I. PIGMENT GREEN #26	68187-49-5	A (B) C D E	Y (N)
23		C.I. PIGMENT BLUE #36	68187-11-1	A (B) C D E	Y (N)
24		C.I. PIGMENT BLACK #27	68186-97-0	A (B) C D E	Y (N)
25		C.I. PIGMENT BLACK #17	68909-79-5	A (B) C D E	Y (N)
				A B C D E	Y N
				A B C D E	Y N
				A B C D E	Y N
				A B C D E	Y N
				A B C D E	Y N

CERTIFICATION (Read and sign after completing all section)

I certify under penalty of law that I have personally examined an am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

 ROBERT HUELSMAN PLANT SUPERINTENDENT
 Name and official title of owner/operator OR authorized representative

 [Signature]
 Signature

 2-19-88
 Date Signed

GEORGIA ENVIRONMENTAL PROTECTION DIVISION

RIGHT-TO-KNOW PROGRAM

Section 312 Reporting Information

Georgia Emergency & Hazardous Chemical Inventory Form

GA. RTK 2

Facility Information

SIC CODE: 2816

EPA-ID NO. 08-436-1302

NAME: FERRO CORPORATION

STREET ADDRESS: MEADOWBROOK INDUSTRIAL PARK

CITY/STATE/ZIP CODE: TOLUCA, GA. 30577

Chemical Number	Chemical Description	Inventory			Non-Confidential Storage Information		
		Max. Daily Amt.	Avg. Daily Amt.	No. of Days On-Site	Storage Method	Cond.	Non-Confidential Location
1	(P) M B L G	80,000	25,000	365	B	1,4	MAIN WAREHOUSE
2	(P) M B L G	15,000	5,000	365	B	1,4	"
3	(P) M B L G	100,000	30,000	365	B	1,4	"
4	(P) M B L G	15,000	3,000	365	DM	1,4	"
5	(P) M B L G	40,000	15,000	365	DM	1,4	"
6	(P) M B L G	10,000	3,000	365	DF	1,4	"
7	(P) M B L G	5,000	2,000	365	B	1,4	"
8	(P) M B L G	5,000	2,000	365	DF	1,4	"
9	(P) M B L G	15,000	4,000	365	DM	1,4	"
10	(P) M B L G	5,000	2,500	365	B	1,4	"
11	(P) M B L G	150,000	50,000	365	B	1,4	"
12	(P) M B L G	50,000	15,000	365	B	1,4	"
13	(P) M B L G	150,000	50,000	365	DF	1,4	"

CERTIFICATION (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

ROBERT HUELSMAN PLANT SUPERINTENDENT
Name and official title of owner/operator OR authorized representative

Robert Huelsman
Signature

2-19-88
Date signed



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
GA D084361302

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Ferro Corporation		02 STREET, ROUTE NO. OR SPECIFIC LOCATION IDENTIFIER Meadowbrook Industrial Park			
03 CITY Toccoa	04 STATE GA	05 ZIP CODE 30577	06 COUNTY Stephens	07 COUNTY CODE 127	08 CONG DIST 09
09 COORDINATES LATITUDE 34 32 00.0		LONGITUDE 083 17 10.0			
10 DIRECTIONS TO SITE (Starting from nearest public road) From Ga. Hwy. 145 go north on Meadowbrook Drive. Take first paved road to the left and proceed one-half mile. Plant is on the left side of the road.					

III. RESPONSIBLE PARTIES

01 OWNER (If known) Ferro Corporation		02 STREET (Business, mailing, residential) 4150 E. 56th Street			
03 CITY Cleveland	04 STATE OH	05 ZIP CODE 44101	06 TELEPHONE NUMBER 216 641-8580		
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		
13 TYPE OF OWNERSHIP (Check one): <input checked="" type="checkbox"/> A PRIVATE <input type="checkbox"/> B FEDERAL <input type="checkbox"/> C STATE <input type="checkbox"/> D COUNTY <input type="checkbox"/> E MUNICIPAL <input type="checkbox"/> F OTHER <input type="checkbox"/> G UNKNOWN					
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply): <input checked="" type="checkbox"/> A RCRA 3001 DATE RECEIVED 11 18 80 <input type="checkbox"/> B UNCONTROLLED WASTE SITE (CERCLA 103(d)) DATE RECEIVED <input type="checkbox"/> C NONE					

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON-SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 12/1/89 <input type="checkbox"/> NO		BY (Check all that apply): <input type="checkbox"/> A EPA <input type="checkbox"/> B EPA CONTRACTOR <input checked="" type="checkbox"/> C STATE <input type="checkbox"/> D OTHER CONTRACTOR <input type="checkbox"/> E LOCAL HEALTH OFFICIAL <input type="checkbox"/> F OTHER CONTRACTOR NAME(S)			
02 SITE STATUS (Check one): <input checked="" type="checkbox"/> A ACTIVE <input type="checkbox"/> B INACTIVE <input type="checkbox"/> C UNKNOWN		03 YEARS OF OPERATION 1977 Present <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Raw materials, products, and wastes containing zinc, antimony, cobalt, barium, chromium, and nickel.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

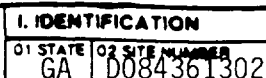
No significant releases to the environment are believed to have occurred.

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one) (High or medium is checked; complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents): <input type="checkbox"/> A HIGH <input type="checkbox"/> B MEDIUM <input checked="" type="checkbox"/> C LOW <input type="checkbox"/> D NONE			
Inspection required promptly Inspection required Inspection in time available No further action needed; complete current disposition form			

VI. INFORMATION AVAILABLE FROM

01 CONTACT John E. Hooker		02 OF Agency Organization Ferro Corporation		03 TELEPHONE NUMBER 404 779-3341	
04 PERSON RESPONSIBLE FOR ASSESSMENT Mark Smith		05 AGENCY Ga. DNR	06 ORGANIZATION EPD	07 TELEPHONE NUMBER 404 656-7802	08 DATE 12/20/89



01 PHYSICAL STATES <i>Check all that apply:</i> <input type="checkbox"/> A SOLID <input type="checkbox"/> E SLURRY <input checked="" type="checkbox"/> B POWDER FINES <input type="checkbox"/> F LIQUID <input checked="" type="checkbox"/> C SLUDGE <input type="checkbox"/> G GAS <input type="checkbox"/> D OTHER _____ <i>See (v)</i>		02 WASTE QUANTITY AT SITE <i>Measures of waste quantities</i> <i>(i.e., be independent)</i> TONS _____ CUBIC YARDS <u>20</u> NO. OF DRUMS _____	03 WASTE CHARACTERISTICS <i>Check all that apply:</i> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> A TOXIC <input type="checkbox"/> B CORROSIVE <input type="checkbox"/> C RADIOACTIVE <input type="checkbox"/> D PERSISTENT </div> <div> <input type="checkbox"/> E SOLUBLE <input type="checkbox"/> F INFECTIOUS <input type="checkbox"/> G FLAMMABLE <input type="checkbox"/> H IGNITABLE </div> <div> <input type="checkbox"/> I HIGHLY VOLATILE <input type="checkbox"/> J EXPLOSIVE <input type="checkbox"/> K REACTIVE <input type="checkbox"/> L INCOMPATIBLE <input type="checkbox"/> M NOT APPLICABLE </div> </div>
--	--	---	--

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
OC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS	771	lbs	

[illegible]

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS	Antimony Trioxide	1309-64-4	FDS	Cobalt carbonate	513-79-1
FDS	Barium carbonate	513-7-9	FDS	Nickel carbonate	3333-67-3
FDS	Chromium oxide	1308-38-9	FDS	Nickel oxide	1313-99-1
FDS	Cobalt oxide	1306-06-1	FDS	Zinc oxide	1314-13-2

Section 312 Reporting Form dated February 19, 1988.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D084361302

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A GROUNDWATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED _____

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION _____

☐ POTENTIAL ☐ ALLEGED

01 ☐ B SURFACE WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED _____

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION _____

☐ POTENTIAL ☐ ALLEGED

01 ☐ C CONTAMINATION OF AIR
03 POPULATION POTENTIALLY AFFECTED _____

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION _____

☐ POTENTIAL ☐ ALLEGED

01 ☐ D FIRE/EXPLOSIVE CONDITIONS
03 POPULATION POTENTIALLY AFFECTED _____

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION _____

☐ POTENTIAL ☐ ALLEGED

01 ☐ E DIRECT CONTACT
03 POPULATION POTENTIALLY AFFECTED _____

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION _____

☐ POTENTIAL ☐ ALLEGED

01 ☐ F CONTAMINATION OF SOIL
03 AREA POTENTIALLY AFFECTED _____
AC: 03:

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION _____

☐ POTENTIAL ☐ ALLEGED

01 ☐ G DRINKING WATER CONTAMINATION
03 POPULATION POTENTIALLY AFFECTED _____

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION _____

☐ POTENTIAL ☐ ALLEGED

01 ☐ H WORKER EXPOSURE/INJURY
03 WORKERS POTENTIALLY AFFECTED _____

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION _____

☐ POTENTIAL ☐ ALLEGED

01 ☐ I POPULATION EXPOSURE/INJURY
03 POPULATION POTENTIALLY AFFECTED _____

02 ☐ OBSERVED (DATE _____)
04 NARRATIVE DESCRIPTION _____

☐ POTENTIAL ☐ ALLEGED



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D084361302

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include number(s) of species)

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
Solid, liquid, standing liquids, leaking drums

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED _____

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

No records or evidence of environmental releases exist for this facility.

V. SOURCES OF INFORMATION (include references to state test, sample analysis, etc.)

File review and visual site inspection.

RECONNAISSANCE CHECKLIST FOR HRS2 CONCERNS

Instructions: Obtain as much "up front" information as possible prior to conducting fieldwork. Complete the form in as much detail as you can, providing attachments as necessary. Cite the source for all information obtained.

Site name: Ferro Corporation

City, County, State: Toccoa, Stephens County, Georgia

EPA ID No.: GAD 084361302

Person responsible for form: Mark Smith, GA EPD

Date: December 20, 1989

Air Pathway

Describe any potential air emission sources onsite: Stack emissions from kilns, product collectors, and dust collectors.

Identify any sensitive environments within 4 miles: None.

Identify the maximally exposed individual (nearest residence or regularly occupied building . workers do count): Gilbert and Bennett Manufacturing, approximately 750 feet west-northwest of the facility.

Groundwater Pathway

Identify any areas of karst terrain: None.

Identify additional population due to consideration of wells completed in overlying aquifers to the AOC: Not Applicable.

Do significant targets exist between 3 and 4 miles from the site? No.

Is the AOC a sole source aquifer according to Safe Drinking Water Act? (i.e. is the site located in Dade, Broward, Volusia, Putnam, or Flagler County, Florida) No.

Surface Water Pathway

Are there intakes located on the extended 15-mile migration pathway? No.

Are there recreational areas, sensitive environments, or human food chain targets (fisheries) along the extended pathway? Yes. Lake Hartwell is a recreational lake 7.5 miles east and downstream of the facility.

Onsite Exposure Pathway

Is there waste or contaminated soil onsite at 2 feet below land surface or higher? No.

Is the site accessible to non-employees (workers do not count)? Yes.

Are there residences, schools, or daycare centers onsite or in close proximity? No.

Are there barriers to travel (e.g., a river) within one mile? No.

Facility name: Ferro Corporation

Location: Meadowbrook Industrial Park, Toccoa, Georgia

EPA Region: Region IV

Person(s) in charge of the facility: John E. Hooker, Plant Manager

(404) 779-3341

Name of Reviewer: Mark Smith

Date: 12/20/89

General description of the facility:

(For example: landfill, surface impoundment, pile, container; types of hazardous substances; location of the facility; contamination route of major concern; types of information needed for rating; agency action, etc.)

Ferro Corporation manufactures inorganic pigments at its Toccoa plant. Raw materials for the process frequently include components containing heavy metals. Solid wastes containing these compounds are routinely generated by the facility in the form of dusts, floor sweepings, off-spec. materials, empty bags, and the cleanout of process equipment. These wastes are stored in an outdoor roll-off prior to disposal off-site.

Scores: $S_M = 2.74$ ($S_{gw} = 4.74$ $S_{sw} = 0$ $S_a = 0$)

$S_{FE} = 0$

$S_{DC} = 0$

Ground Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	0 45	1	0	45	3.1	
If observed release is given a score of 45, proceed to line 4 . If observed release is given a score of 0, proceed to line 2 .						
2 Route Characteristics						
Depth to Aquifer of Concern	0 1 2 3	2	4	8	3.2	
Net Precipitation	0 1 2 3	1	3	3		
Permeability of the Unsaturated Zone	0 1 2 3	1	1	3		
Physical State	0 1 2 3	1	2	3		
Total Route Characteristics Score			10	15		
3 Containment	0 1 2 3	1	1	3	3.3	
4 Waste Characteristics						
Toxicity/Persistence	0 3 6 9 12 15 18	1	15	18	3.4	
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	2	8		
Total Waste Characteristics Score			17	26		
5 Targets						
Ground Water Use	0 1 2 3	3	6	9	3.5	
Distance to Nearest Well - Population Served	0 4 6 8 10 12 16 18 20 24 30 32 35 40	1	10	40		
Total Targets Score			16	49		
6 If line 1 is 45, multiply 1 x 4 x 5						
If line 1 is 0, multiply 2 x 3 x 4 x 5			2720	57.330		
7 Divide line 6 by 57.330 and multiply by 100			S _{gw} = 4.74			

GROUND WATER ROUTE WORK SHEET

Surface Water Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	0 45	1	0	45	4.1	
If observed release is given a value of 45, proceed to line 4 . If observed release is given a value of 0, proceed to line 2 .						
2 Route Characteristics					4.2	
Facility Slope and Intervening Terrain	0 1 2 3	1	2	3		
1-yr. 24-hr. Rainfall	0 1 2 3	1	3	3		
Distance to Nearest Surface Water	0 1 2 3	2	6	6		
Physical State	0 1 2 3	1	2	3		
Total Route Characteristics Score			13	18		
3 Containment	0 1 2 3	1	1	3	4.3	
4 Waste Characteristics					4.4	
Toxicity/Persistence	0 3 6 9 12 15 18	1	15	18		
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1	2	8		
Total Waste Characteristics Score			17	26		
5 Targets					4.5	
Surface Water Use	0 1 2 3	3	0	9		
Distance to a Sensitive Environment	0 1 2 3	2	0	6		
Population Served/Distance to Water Intake Downstream	0 4 6 8 10 12 16 18 20 24 24 30 32 35 40	1	0	40		
Total Targets Score			0	55		
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5			0	54.350		
7 Divide line 6 by 54.350 and multiply by 100			S _{sw} = 0			

SURFACE WATER ROUTE WORK SHEET

Air Route Work Sheet						
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Max. Score	Ref. (Section)	
1 Observed Release	0 45	1		45	5.1	
Date and Location:						
Sampling Protocol:						
If line 1 is 0, the $S_a = 0$. Enter on line 5 . If line 1 is 45, then proceed to line 2 .						
2 Waste Characteristics					5.2	
Reactivity and Incompatibility	0 1 2 3	1		3		
Toxicity	0 1 2 3	3		9		
Hazardous Waste Quantity	0 1 2 3 4 5 6 7 8	1		8		
Total Waste Characteristics Score				20		
3 Targets					5.3	
Population Within 4-Mile Radius	0 9 12 15 18 21 24 27 30	1		30		
Distance to Sensitive Environment	0 1 2 3	2		6		
Land Use	0 1 2 3	1		3		
Total Targets Score				39		
4 Multiply 1 x 2 x 3				35,100		
5 Divide line 4 by 35,100 and multiply by 100			$S_a = 0$			

AIR ROUTE WORK SHEET

Direct Contact Work Sheet					
Rating Factor	Assigned Value (Circle One)	Multi- plier	Score	Max. Score	Ref. (Section)
<input type="checkbox"/> 1 Observed Incident	<input checked="" type="radio"/> 0 45	1		45	8.1
If line <input type="checkbox"/> 1 is 45, proceed to line <input type="checkbox"/> 4 If line <input type="checkbox"/> 1 is 0, proceed to line <input type="checkbox"/> 2					
<input type="checkbox"/> 2 Accessibility	0 1 2 3	1		3	8.2
<input type="checkbox"/> 3 Containment	0 15	1		15	8.3
<input type="checkbox"/> 4 Waste Characteristics Toxicity	0 1 2 3	5		15	8.4
<input type="checkbox"/> 5 Targets					8.5
Population Within a 1-Mile Radius	0 1 2 3 4 5	4		20	
Distance to a Critical Habitat	0 1 2 3	4		12	
Total Targets Score				12	
<input type="checkbox"/> 6 If line <input type="checkbox"/> 1 is 45, multiply <input type="checkbox"/> 1 x <input type="checkbox"/> 4 x <input type="checkbox"/> 5 If line <input type="checkbox"/> 1 is 0, multiply <input type="checkbox"/> 2 x <input type="checkbox"/> 3 x <input type="checkbox"/> 4 x <input type="checkbox"/> 5				21,600	
<input type="checkbox"/> 7 Divide line <input type="checkbox"/> 6 by 21,600 and multiply by 100			SOC = 0		

DIRECT CONTACT WORK SHEET

Fire and Explosion Work Sheet						
Rating Factor	Assigned Value (Circle One)		Multi- plier	Score	Max. Score	Ref. (Section)
1 Containment	1	3	1		3	7.1
2 Waste Characteristics						7.2
Direct Evidence	0	3	1		3	
Ignitability	0	1 2 3	1		3	
Reactivity	0	1 2 3	1		3	
Incompatibility	0	1 2 3	1		3	
Hazardous Waste Quantity	0	1 2 3 4 5 6 7 8	1		8	
Total Waste Characteristics Score					20	
3 Targets						7.3
Distance to Nearest Population	0	1 2 3 4 5	1		5	
Distance to Nearest Building	0	1 2 3	1		3	
Distance to Sensitive Environment	0	1 2 3	1		3	
Land Use	0	1 2 3	1		3	
Population Within 2-Mile Radius	0	1 2 3 4 5	1		5	
Buildings Within 2-Mile Radius	0	1 2 3 4 5	1		5	
Total Targets Score					24	
4 Multiply 1 x 2 x 3					1,440	
5 Divide line 4 by 1,440 and multiply by 100				SEE = 0		

FIRE AND EXPLOSION WORK SHEET

	s	s ²
Groundwater Route Score (S _{gw})	4.74	22.47
Surface Water Route Score (S _{sw})	0	0
Air Route Score (S _a)	0	0
$s_{gw}^2 + s_{sw}^2 + s_a^2$		22.47
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2}$		4.74
$\sqrt{s_{gw}^2 + s_{sw}^2 + s_a^2} / 1.73 = S_M =$		2.74

WORKSHEET FOR COMPUTING S_M

QA Review Draft: First Revision

Author: Mark Smith
Date: 12/20/89

**DOCUMENTATION RECORDS
FOR
HAZARD RANKING SYSTEM**

INSTRUCTIONS: As briefly as possible summarize the information you used to assign the score for each factor (e.g., "Waste quantity = 4,230 drums plus 800 cubic yards of sludges"). The source of information should be provided for each entry and should be a bibliographic-type reference. Include the location of the document.

FACILITY NAME: Ferro Corporation

LOCATION: Meadowbrook Industrial Park
Toccoa, Georgia

DATE SCORED: December 20, 1989

PERSON SCORING: Mark Smith, GA EPD

PRIMARY SOURCE(S) OF INFORMATION (e.g., EPA region, state, FIT, etc.):

EPA, Region IV; GAEPD

FACTORS NOT SCORED DUE TO INSUFFICIENT INFORMATION:

Air route was not scored due to the absence of air sampling data.

COMMENTS OR QUALIFICATIONS:

QA Review Draft: First Revision

Author: Mark Smith
Date: 12/20/89

GROUND WATER ROUTE

1 OBSERVED RELEASE None.

Contaminants detected (5 maximum):

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Depth to Aquifer of Concern

Name/description of aquifer(s) of concern:
Surficial aquifer.

Depth(s) from the ground surface to the highest seasonal level of the saturated zone (water table(s) of the aquifer(s) of concern:
Estimated at 40 feet.

Depth from the ground surface to the lowest point of waste disposal/storage:
All waste is stored above ground surface.

QA Review Draft: First Revision

Author: Mark Smith

Date: 12/20/89

Net Precipitation

Mean annual or seasonal precipitation (list months for seasonal):

58.52 inches (Reference 6).

Mean annual lake or seasonal evaporation (list months for seasonal):

39 inches (Reference 8).

Net precipitation (subtract the above figures):

Net prec. = 19.52 inches.
= +

Permeability of Unsaturated Zone Value - 1

Soil type in unsaturated zone:

Cecil sandy loam (Reference 6).

Permeability associated with soil type:

0.63 to 6.3 inches/hour (Reference 6).

Physical State Value - 2

Physical state of substances at time of disposal (or at present time for generated gases): Powders and dusts (Visual Site Inspection).

QA Review Draft: First Revision

Author: Mark Smith

Date: 12/20/89

3 CONTAINMENT

Containment Value - 1

Method(s) of waste or leachate containment evaluated:

Solid wastes are contained in fiber drums, placed in a steel roll-off stored on a concrete pad.

Method with highest score:

4 WASTE CHARACTERISTICS

Toxicity and Persistence Matrix Score - 15

Compound(s) evaluated:

Zinc, antimony, cobalt, and chromium.

Compound with highest score:

Chromium

Hazardous Waste Quantity Value - 2

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

771 pounds.

Basis of estimating and/or computing waste quantity:

An estimate of 771 pounds was arrived at by dividing the annual total of waste disposed off-site by 52 to account for weekly disposal of accumulated waste.

5 TARGETS

Ground Water Use Value - 2.

Distance to Nearest Well Value - 10.

Location of nearest well drawing from aquifer of concern or occupied building not
Residence located 1500 feet west of the site.

Distance to above well or building:
1500 feet.

Population Served by Ground Water Wells Within a 3-Mile Radius Value -

Identify water-supply well(s) drawing from aquifer(s) of concern within a 3-mile
radius and populations served by each:

School superintendent's Office, 2.5 miles west, 75 persons.
Stephens Co. Middle School, 2.3 miles ESE, 700 persons.
Mill Bridge Mobile Home Park, 2.3 miles east, 30 persons.
(GA EPD Files).

Computation of land area irrigated by supply well(s) drawing from aquifer(s) of
concern within a 3-mile radius, and conversion to population (1.5 people per acre):
None.

Total population served by ground water within a 3-mile radius:
805.

SURFACE WATER ROUTE

1 OBSERVED RELEASE

Contaminants detected in surface water at the facility or downhill from it (5 maximum):

None.

Rationale for attributing the contaminants to the facility:

* * *

2 ROUTE CHARACTERISTICS

Facility Slope and Intervening Terrain Value - 2.

Average slope of facility in percent:

8 percent (Reference 6).

Name/description of nearest downslope surface water:

Eastanollee Creek.

Average slope of terrain between facility and above-cited surface water body in percent:

8 percent (Reference 6).

Is the facility located either totally or partially in surface water?

No.

QA Review Draft: First Revision

Author: Mark Smith
Date: 12/20/89

Is the facility completely surrounded by areas of higher elevation?
No.

1-Year 24-Hour Rainfall in Inches Value - 3.
3.5 inches (Reference 9).

Distance to Nearest Downslope Surface Water Value - 3.
1000 feet (VSI).

Physical State of Waste Value - 2.
Powder, dust, and fines.

* * *

3 CONTAINMENT Value - 1.

Containment

Method(s) of waste or leachate containment evaluated:
Containers in roll-off on concrete pad.

Method with highest score:

QA Review Draft: First Revision

Author: Mark Smith

Date: 12/20/89

4 WASTE CHARACTERISTICS

Toxicity and Persistence Matrix Score - 15

Compound(s) evaluated

Zinc, antimony, chromium, and cobalt.

Compound with highest score:

Chromium.

Hazardous Waste Quantity Value - 2.

Total quantity of hazardous substances at the facility, excluding those with a containment score of 0 (Give a reasonable estimate even if quantity is above maximum):

771 pounds.

Basis of estimating and/or computing waste quantity:

Estimate arrived at by dividing the annual total of waste disposed off-site by 52 to allow for weekly disposal.

* * *

5 TARGETS

Surface Water Use Value - 0.

Use(s) of surface water within 3 miles downstream of the hazardous substance:

None.

QA Review Draft: First Revision

Author: Mark Smith

Date: 12/20/89

Is there tidal influence?

No.

Distance to a Sensitive Environment Value - 0.

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

Distance to critical habitat of an endangered species or national wildlife refuge, if 1 mile or less:

Population Served by Surface Water Value - 0.

Location(s) of water-supply intake(s) within 3 miles (free-flowing bodies) or 1 mile (static water bodies) downstream of the hazardous substance and population served by each intake:

QA Review Draft: First Revision

Author: Mark Smith

Date: 12/20/89

Computation of land area irrigated by above-cited intake(s) and conversion to population (1.5 people per acre):
None.

Total population served:

Name/description of nearest of above-cited water bodies:

Distance to above-cited intakes, measured in stream miles.

QA Review Draft: First Revision

Author: Mark Smith

Date: 12/20/89

AIR ROUTE

1 OBSERVED RELEASE

Contaminants detected:

None.

Date and location of detection of contaminants

Methods used to detect the contaminants:

Rationale for attributing the contaminants to the site:

* * *

2 WASTE CHARACTERISTICS

Reactivity and Incompatibility

Most reactive compound:

Most incompatible pair of compounds:

QA Review Draft: First Revision

Author: Mark Smith

Date: 12/20/89

Toxicity

Most toxic compound:

Hazardous Waste Quantity

Total quantity of hazardous waste:

Basis of estimating and/or computing waste quantity:

* * *

3 TARGETS

Population Within 4-Mile Radius

Circle radius used, give population, and indicate how determined:

0 to 4 mi

0 to 1 mi

0 to ● mi

0 to X mi

Distance to a Sensitive Environment

Distance to 5-acre (minimum) coastal wetland, if 2 miles or less:

Distance to 5-acre (minimum) fresh-water wetland, if 1 mile or less:

QA Review Draft: First Revision

Author: Mark Smith
Date: 12/20/89

Distance to critical habitat of an endangered species, if 1 mile or less:

Land Use

Distance to commercial/industrial area, if 1 mile or less:

Distance to national or state park, forest, or wildlife reserve, if 2 miles or less:

Distance to residential area, if 2 miles or less:

Distance to agricultural land in production within past 5 years, if 1 mile or less:

Distance to prime agricultural land in production within past 5 years, if 2 miles or less:

Is a historic or landmark site (National Register of Historic Places and National Natural Landmarks) within the view of the site?

OVERSIZED

DOCUMENT

PAGE: 238
RUN DATE: 84/08/30
RUN TIME: 17:00:56

EPA ID NO.: GAD084361302 SHEET 01

(ACTION : * * - FOR DATA ENTRY USE ONLY)

```

SF ID: *___*___*___* SITE NAME: FERRO CORP SOURCE: H SOURCE COUNTS:
      *___*___* STREET: MEADOWBROOK IND PK CONG. DIST: 09 NOTIS: 0
NATL PRIORITY: N CITY: TOCCOA ST: GA ZIP: 30577-___ STS: 0
HRS: *___.*___* CNTY NAME: STEPHENS CNTY CODE: 257 HWDMS: 1
HRS DATE (YY/MM): *___/___* LATITUDE: 34/34/42.0 LONGITUDE: 083/19/18.0 COMPOSITE: 0
RESPONSE TERMINATION (CHECK ONE IF APPLICABLE): PENDING *___* NO FURTHER ACTION X OTHER: 0
ENF. DISP. (CHECK ANY THAT APPLY): NO VIABLE RESP. PARTY *___* VOL. RESP. *___* ENF. RESP. *___* COST RECOV. *___*
RSPO NAME: *_____* RSPO PHONE: *___-___-___* FED. FAC. (Y/N): N NON-SITE: *___*
SMSA: *___* USGS HYDRO. UNIT: 00000000 REG. FLD1: *___* REG. FLD2: *___*

```

SITE DESCRIPTION: *
*
*
*

EVENTS

(ACTION - FOR DATA ENTRY USE ONLY)	EVENT TYPE	DATE (YY/MM) STARTED	DATE (YY/MM) COMPLETED	- - - - CONDUCTED BY - - - -				COUNTS
				EPA	STATE	RESP/PARTY	OTHER	
__	(X) SITE DISCOVERY (SD)		80/07					
__	(X) PRELIMINARY ASSESSMENT (PA)	84/08	84/08	*__*	X			
__	SITE INVESTIGATION (SI)	*__/_/*	*__/_/*	*__*	*__*			
__	REMEDIAL ACTION (RD)	*__/_/*	*__/_/*	*__*	*__*	*__*	*__*	*__*
__	REMOVAL ACTION (RV)	*__/_/*	*__/_/*	*__*	*__*	*__*	*__*	*__*
__	ENFORCEMENT INVESTIGATION (EI)	*__/_/*	*__/_/*	*__*	*__*		*__*	
__	ADMINISTRATIVE ORDER (AO)	*__/_/*	*__/_/*	*__*	*__*		*__*	
* *	JUDICIAL ACTION (JA)	*__/_/*	*__/_/*	* * *	* *		* *	

REGION: 04

U. S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
DATA BASE UPDATED 84/08/30
T.1 - ERRIS TURNAROUND DOCUMENT

PAGE: 239
RUN DATE: 84/08/30
RUN TIME: 17:00:56

EPA ID NO.: GAD084361302 SHEET 02

SITE NAME: FERRO CORP

ALIAS AND ALIAS LOCATION DATA

ALIAS (ACTION *_* - FOR DATA ENTRY USE ONLY)

SEQ. NO.: *_* ALIAS NAME: *_* SOURCE: *_*

ALIAS LOCATION (ACTION *_* - FOR DATA ENTRY USE ONLY)

CONTIGUOUS PORTION OF SITE: *_*

STREET: *_* CONG. DIST.: *_*

CITY: *_* ST: *_* ZIP: *_* - *_*

CNTY NAME: *_* CNTY CODE: *_*

LAT: *_*/_*/_.* LONG.: *_*/_*/_.* SMSA: *_* USGS HYDRO. UNIT: *_*

ALIAS (ACTION *_* - FOR DATA ENTRY USE ONLY)

SEQ. NO.: *_* ALIAS NAME: *_* SOURCE: *_*

ALIAS LOCATION (ACTION *_* - FOR DATA ENTRY USE ONLY)

CONTIGUOUS PORTION OF SITE: *_*

STREET: *_* CONG. DIST.: *_*

CITY: *_* ST: *_* ZIP: *_* - *_*

CNTY NAME: *_* CNTY CODE: *_*

LAT: *_*/_*/_.* LONG.: *_*/_*/_.* SMSA: *_* USGS HYDRO. UNIT: *_*

REGION: 04

U. S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
DATA BASE UPDATED 84/08/30
T.1 - ERRIS TURNAROUND DOCUMENT

PAGE: 240
RUN DATE: 84/08/30
RUN TIME: 17:00:56

EPA ID NO.: GAD084361302 SHEET 03

SITE NAME: FERRO CORP

SITE COMMENTS

(ACTION - FOR
DATA ENTRY USE ONLY)

COMMENT
NUMBER

COMMENT

_

001

"NO" PART A- ON FILE

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U. S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF EMERGENCY AND REMEDIAL RESPONSE
DATA BASE UPDATED 84/08/30
T.1 - ERRIS TURNAROUND DOCUMENT

EPA ID NO.: GAD084361302 SHEET 04

REGIONAL ENTRIES

[illegible]



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE: 02 SITE NUMBER
GA D084361302

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Ferro Corp.		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Meadowbrook Industrial Park			
03 CITY Toccoa	04 STATE GA	05 ZIP CODE 30577	06 COUNTY Stephens	07 COUNTY CODE 127	08 CONG DIST 09
09 COORDINATES LATITUDE 34° 31' 55.6"		LONGITUDE 083° 17' 21.6"			

10 DIRECTIONS TO SITE (Starting from nearest public road)
Take Hwy 145 from Toccoa to Eastanolle. Go ½ mile past Hayes Crossing and turn left at Meadow Brook Drive Industrial Park. Facility is located in Meadow Brook Industrial Park.

III. RESPONSIBLE PARTIES

01 OWNER (If known) Ferro Corporation		02 STREET (Business, mailing, residential) 4150 E. 56th Street			
03 CITY Cleveland	04 STATE OH	05 ZIP CODE 44101	06 TELEPHONE NUMBER (216) 641-8580		
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()		

13 TYPE OF OWNERSHIP (Check one)
☒ A. PRIVATE ☐ B. FEDERAL: _____ (Agency name) ☐ C. STATE ☐ D. COUNTY ☐ E. MUNICIPAL
☐ F. OTHER: _____ (Specify) ☐ G. UNKNOWN

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)
☒ A. RCRA 3001 DATE RECEIVED: 11/18/80 MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: _____ MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input type="checkbox"/> YES DATE _____ MONTH DAY YEAR <input checked="" type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
---	--	---	--	--	--

02 SITE STATUS (Check one)
☐ A. ACTIVE ☒ B. INACTIVE ☐ C. UNKNOWN

03 YEARS OF OPERATION
1977 present UNKNOWN
BEGINNING YEAR ENDING YEAR

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED
Ferro Corp. manufactures inorganic pigments by calcination.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

See Attachment A.

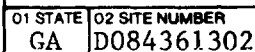
V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☒ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT William Standard, Plant Manager		02 OF (Agency/Organization) Ferro Corp.		03 TELEPHONE NUMBER (404) 779-3341	
04 PERSON RESPONSIBLE FOR ASSESSMENT Jeff Williams <i>JMW</i>		05 AGENCY DNR	06 ORGANIZATION EPD (RAU)	07 TELEPHONE NUMBER (404) 656-7404	08 DATE 04/16/84 MONTH DAY YEAR

AUG 13 1984
Reviewed & entered
CSW
8/13/84
RW



☐ I. HIGHLY VOLATILE
☐ J. EXPLOSIVE
☐ K. REACTIVE
☐ L. INCOMPATIBLE
☒ M. NOT APPLICABLE

US - EPA - Forms 3510-3, 3510-1
GA - EPD - June 15, 1984 Memorandum from Bill Mundy
Telephone memo - April 16, 1984 to Bill Standard



**POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT**

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE	02 SITE NUMBER
GA	D084361302

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ B. SURFACE WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ C. CONTAMINATION OF AIR

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ E. DIRECT CONTACT

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ F. CONTAMINATION OF SOIL

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 AREA POTENTIALLY AFFECTED: _____
(Acres)

04 NARRATIVE DESCRIPTION

01 ☐ G. DRINKING WATER CONTAMINATION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ H. WORKER EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 WORKERS POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION

01 ☐ I. POPULATION EXPOSURE/INJURY

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: _____

04 NARRATIVE DESCRIPTION



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
GA D084361302

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES

(Spills/runoff/standing liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

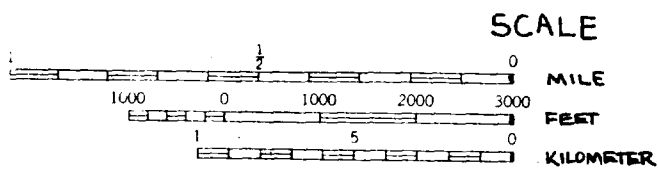
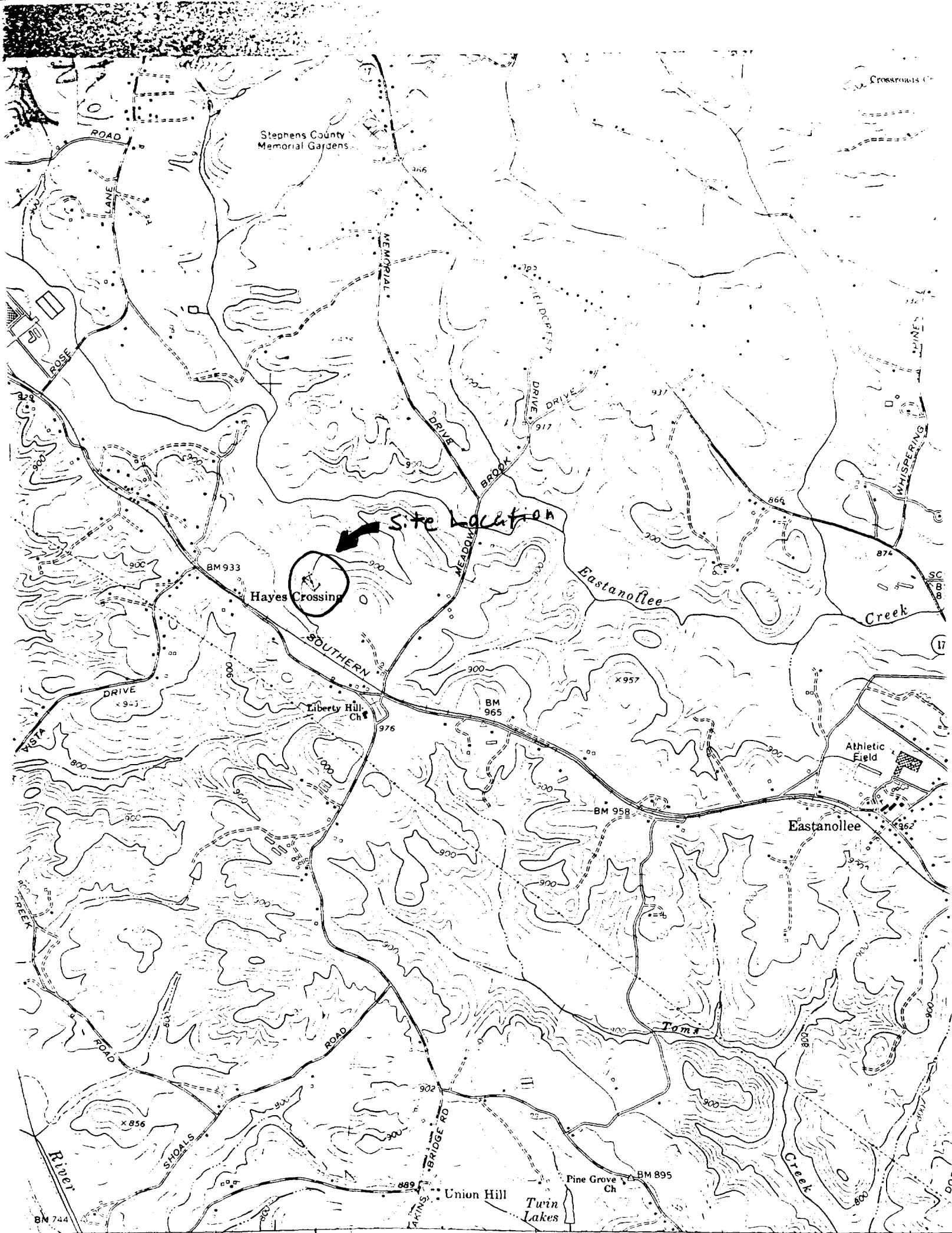
☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e.g., state files, sample analysis, reports)



QUAD. NAME: TOCCOA, GA.
 SERIES: N 3430 W 8315
 YEAR: 1964

U.S. STANDARDS
 NGTON, D. C. 20242
 S AVAILABLE ON REQUEST



ROAD CLASSIFICATION
 Heavy-duty ——— Light-duty ———
 Medium-duty - - - - - Unimproved dirt
 U. S. Route State Route

TOCCOA, GA.
 N3430—W8315/7

1964

AMS 4353 III SE—SERIES

ATTACHMENT A

SITE DISPOSITION

This site was given a no priority for inspection based on the following conclusions:

Ferro Corp. has no hazardous waste activities at this time. Ferro Corp. anticipated expanding their operations but never did. Ferro Corp. has never engaged in any hazardous waste activity prior to November 19, 1980.

I therefore conclude no priority for a site inspection of this facility.

TELEPHONE MEMO

INCOMING ☐

OUTGOING ☒

GIST ☒

FROM : JEFF WILLIAMS - G.A. EPD (404) 656-7404

TO : Bill Standard - Ferro Corp (404) 779-3341

SITE : Ferro Corp

DATE : 4-16-84

TIME : 3:00 PM.

Bill Standard told me the Ferro Corp anticipated to produce cadmium pigments at the Toecoa plant. He told me they would not know the concentrations and amounts of effluent that would be produced by this operation. Ferro Corp then decided not to produce cadmium pigments.

Telephone Memo for Preliminary Assessments

Date: 4-16-84

TIME: 3:00 P.M.

1. Facility Information:

E.P.N. ID. #: LA 0084361302

Site Name : Ferro Corporation

2. Contact Information:

Name and Title: Bill Standard-Plant Manager

Address: P.O. Box 1070 Medway Kent Industrial Park

Phone : (404) 779-3341

3. Did the facility handle hazardous waste prior to 1980?

No. 1

Yes - _____ when did they dispose of the hazardous waste?

From	To	Disposed Location

4.. Has there ever been a spill or other release to the environment?

No. 1

[illegible]

FORM 1 GENERAL	U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION <i>Consolidated Permits Program</i> <i>(Read the "General Instructions" before starting.)</i>	I. EPA I.D. NUMBER <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> F G A D 0 8 4 3 6 1 3 0 2 T A C D </div>
---------------------------------	---	---

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK "X"			SPECIFIC QUESTIONS	MARK "X"		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X			F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

III. NAME OF FACILITY <div style="border: 1px solid black; padding: 2px;"> 1 SKIP </div>																															
IV. FACILITY CONTACT <table style="width:100%;"> <tr> <td style="width:60%;">A. NAME & TITLE (last, first, & title)</td> <td style="width:40%;">B. PHONE (area code & no.)</td> </tr> <tr> <td>2 STANDARD WILLIAM PLANT MANAGER</td> <td>404 779 3341</td> </tr> </table>				A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)	2 STANDARD WILLIAM PLANT MANAGER	404 779 3341																								
A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)																														
2 STANDARD WILLIAM PLANT MANAGER	404 779 3341																														
V. FACILITY MAILING ADDRESS <table style="width:100%;"> <tr> <td colspan="4">A. STREET OR P.O. BOX</td> </tr> <tr> <td colspan="4">3</td> </tr> <tr> <td colspan="2">B. CITY OR TOWN</td> <td>C. STATE</td> <td>D. ZIP CODE</td> </tr> <tr> <td colspan="2">4</td> <td></td> <td></td> </tr> </table>				A. STREET OR P.O. BOX				3				B. CITY OR TOWN		C. STATE	D. ZIP CODE	4															
A. STREET OR P.O. BOX																															
3																															
B. CITY OR TOWN		C. STATE	D. ZIP CODE																												
4																															
VI. FACILITY LOCATION <table style="width:100%;"> <tr> <td colspan="4">A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER</td> </tr> <tr> <td colspan="4">5 MEADOWBROOK INDUSTRIAL PARK</td> </tr> <tr> <td colspan="4">B. COUNTY NAME</td> </tr> <tr> <td colspan="4">STEPHENS</td> </tr> <tr> <td colspan="2">C. CITY OR TOWN</td> <td>D. STATE</td> <td>E. ZIP CODE</td> </tr> <tr> <td colspan="2">6</td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td>F. COUNTY CODE (if known)</td> <td></td> </tr> </table>				A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER				5 MEADOWBROOK INDUSTRIAL PARK				B. COUNTY NAME				STEPHENS				C. CITY OR TOWN		D. STATE	E. ZIP CODE	6						F. COUNTY CODE (if known)	
A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER																															
5 MEADOWBROOK INDUSTRIAL PARK																															
B. COUNTY NAME																															
STEPHENS																															
C. CITY OR TOWN		D. STATE	E. ZIP CODE																												
6																															
		F. COUNTY CODE (if known)																													

VIII. OPERATOR INFORMATION

A. NAME	B. Is the name listed in team MHA's report

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)	D. PHONE (area code & no.)
--	----------------------------

E. STREET OR P.O. BOX	
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F. CITY OR TOWN		G. STATE	H. ZIP CODE	IX. INDIAN LAND
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[illegible]

A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions from Proposed Sources)	
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15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100															
B. UIC (Underground Injection of Fluids)															E. OTHER (specify)																																																																																					

C. RCRA (Hazardous Wastes)										E. OTHER (specify)									
----------------------------	--	--	--	--	--	--	--	--	--	--------------------	--	--	--	--	--	--	--	--	--

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show

the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

Manufacturing of inorganic pigments by calcining.

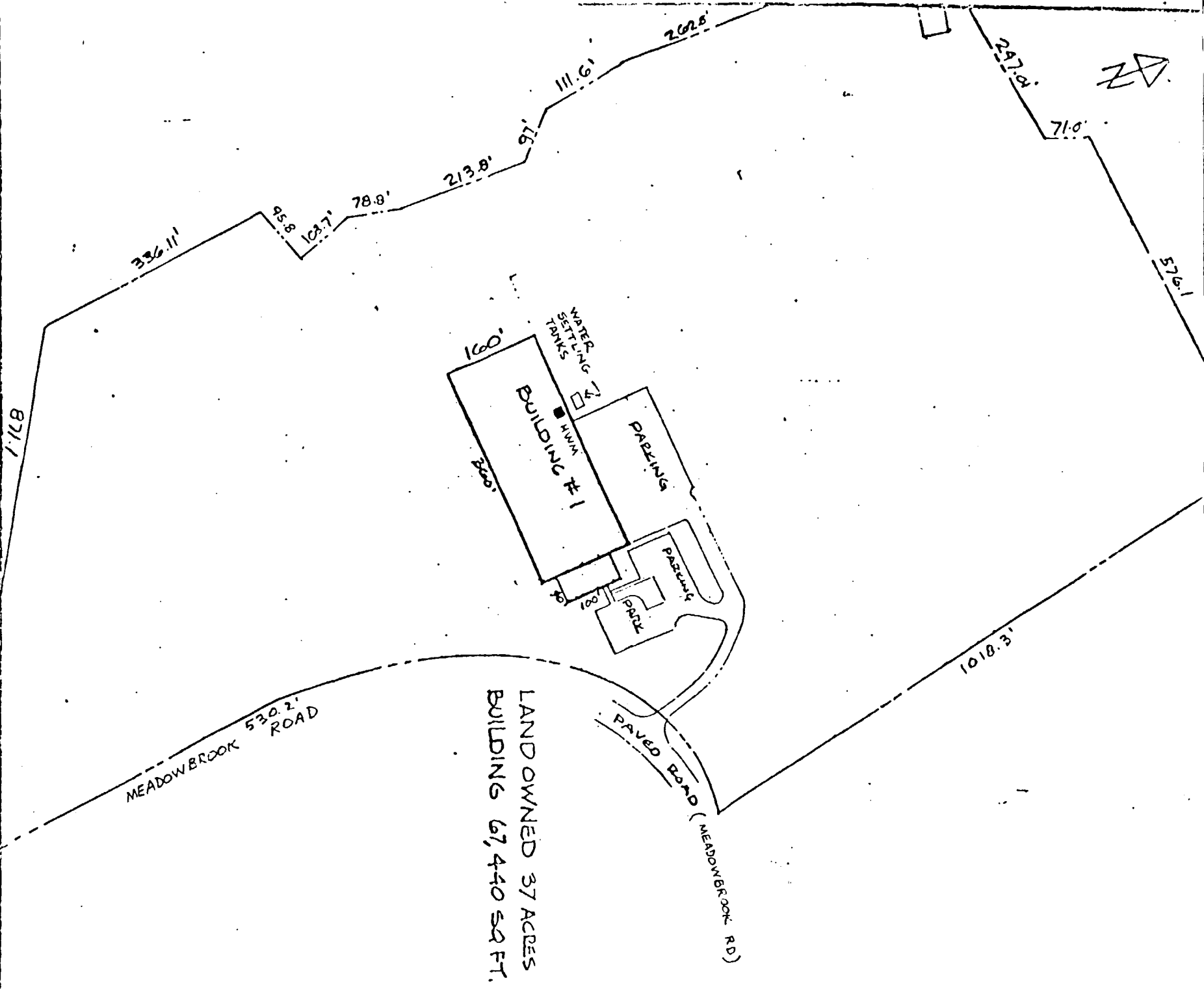
I certify, under penalty of law, that I have personally examined and am familiar with the information submitted in this application and all

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

COMMENTS FOR OFFICIAL USE ONLY

EPA Form 3510-1 (6-80) REVERSE

27



LAND OWNED 37 ACRES
BUILDING 67,440 SQ FT.

COLOR DIVISION PLANT TOCCOA GA.

FENCO CORPORATION
CLEVELAND, OHIO

DRAWN	CHKD.	SCALE	DATE	CONT. NO.
MFB		1"=200'	8/21/76	

DE-38-1702

FORM 3		U.S. ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS WASTE PERMIT APPLICATION Consolidated Permits Program <i>(This information is required under Section 3095 of RCRA.)</i>	I. EPA I.D. NUMBER <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 1 2 3 4 5 6 7 8 9 0 A B C D E F G H I J </div>
FOR OFFICIAL USE ONLY			
APPLICATION APPROVED <div style="border: 1px solid black; width: 100px; height: 20px; margin: 0 auto;"></div>	DATE RECEIVED (yr., mo., & day) <div style="display: flex; justify-content: space-around; font-size: small;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> </div>	COMMENTS	
II. FIRST OR REVISED APPLICATION			
Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.			
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> A. FIRST APPLICATION (place an "X" below and provide the appropriate date) <input checked="" type="checkbox"/> 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.) <div style="display: flex; justify-content: space-between; font-size: x-small;"> <div style="width: 20%;"> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 71 72 </div> <div style="display: flex; justify-content: space-around; font-size: x-small;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> </div> </div> <div style="width: 80%;"> FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left) <div style="display: flex; justify-content: space-around; font-size: x-small;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> </div> </div> </div> </div> <div style="width: 48%;"> <input type="checkbox"/> 2. NEW FACILITY (Complete item below.) FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN <div style="display: flex; justify-content: space-between; font-size: x-small;"> <div style="width: 20%;"> <div style="border: 1px solid black; padding: 2px; display: flex; justify-content: space-between;"> 71 72 </div> <div style="display: flex; justify-content: space-around; font-size: x-small;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> </div> </div> <div style="width: 80%;"> PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN <div style="display: flex; justify-content: space-around; font-size: x-small;"> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> </div> </div> </div> </div> </div>			

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY	FOR OFFICIAL USE ONLY
1	S02	200		5	T03	20	
2	S02	400		6			
3				7			
4				8			
5				9			
6				10			

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T01"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE
POUNDS. P
TONS. T

METRIC UNIT OF MEASURE CODE
KILOGRAMS. K
METRIC TONS. M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES**1. PROCESS CODES:**

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (If a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above

EPA I.D. NUMBER (enter from page 1)													FOR OFFICIAL USE ONLY												
W G A D 0 8 4 3 6 1 3 0 2													W DUP												
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																									
WASTE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES																					
				1. PROCESS CODES (enter)																					
				2. PROCESS DESCRIPTION (if a code is not entered in D(1))																					
1		UNKNOWN		ANTICIPATED																					
2																									
3																									
4																									
5																									
6																									
7																									
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25																									
26																									

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

VIII. FACILITY OWNER

- ☒ **A.** If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

IX. OWNER CERTIFICATION

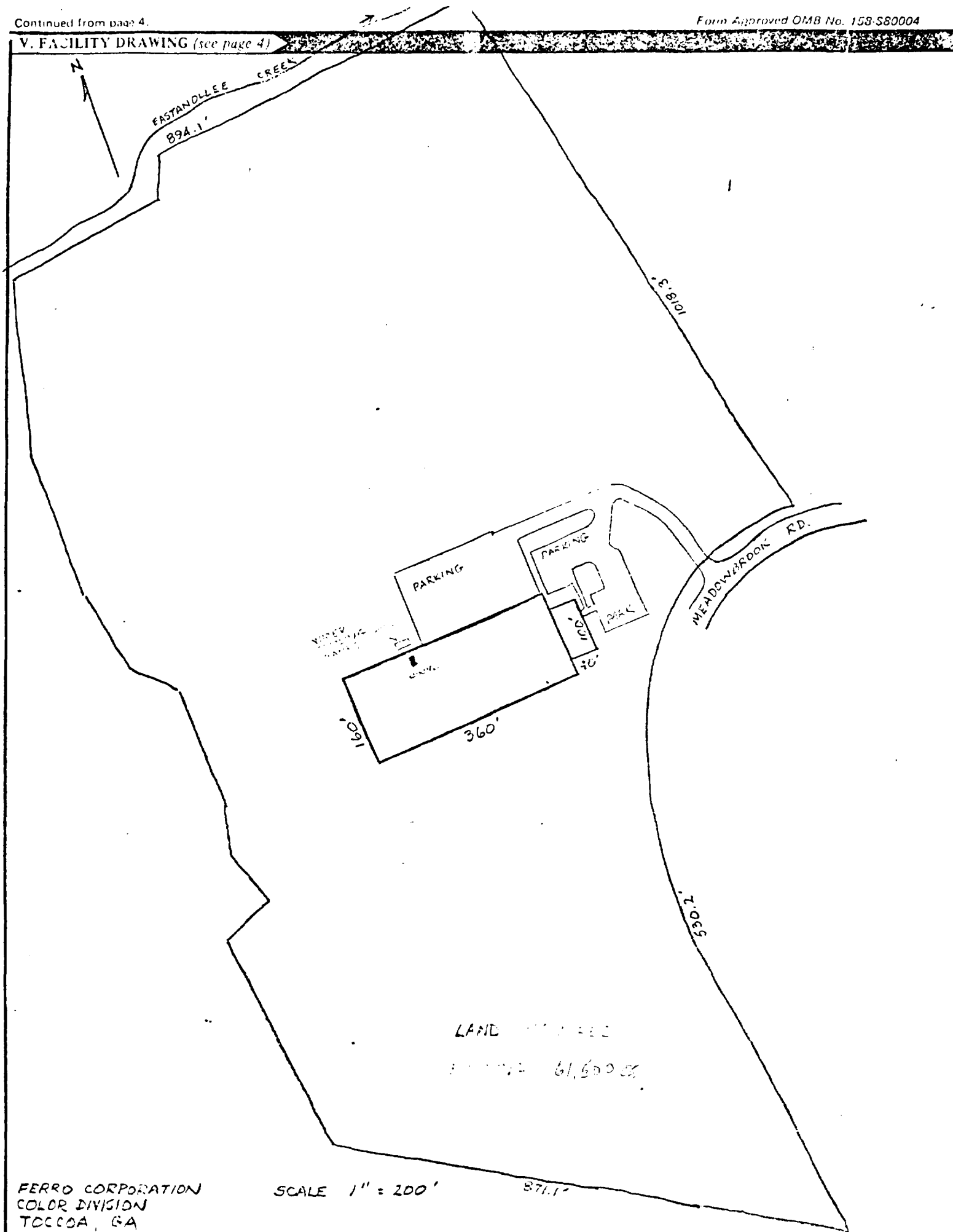
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

EPA Form 3510-3 (6-80)

V. FACILITY DRAWING (see page 4)



FERRO CORPORATION
COLOR DIVISION
TOCCOA, GA

SCALE 1" = 200'

871.1'



JOE D. TANNER
Commissioner

File - F-100 - R
Department of Natural Resources

ENVIRONMENTAL PROTECTION DIVISION
270 WASHINGTON STREET, S W
ATLANTA, GEORGIA 30334

J. LEONARD LEDBETTER
Division Director

June 15, 1982

MEMORANDUM

TO: Jennifer R. Kaduck, Unit Coordinator *JRK*
Industrial & Hazardous Waste Management Program

FROM: Bill Mundy, Environmental Engineer
Industrial & Hazardous Waste Management Program

SUBJECT: Ferro Industries - Toccoa

On May 13, 1982 I spoke to Bill Standard with subject company. Mr. Standard told me:

- 1) They have no hazardous waste activities, at this time.
- 2) They notified because they thought they would expand their operations to include hazardous waste activities, but they never did.
- 3) Paul Keith, EPA, gave them verbal approval to rescind their notification. I told Mr. Standard to contact us if they expand their operation to include hazardous waste.

bpk

PHENIX COUNTY - GA

COAST

WATER AT THIS SITE
WILL BEW IT AFTER

PAID

NO RCRA REG.

SWAMP

ANCE OPERATIONS

STAYS

RECORDS (S)